Recombinant Mouse Ptpn12 Protein, Myc/DDK-tagged

Cat. No. Ptpn12-5236M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein tyrosine phosphatase, non-receptor type 12 (Ptpn12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades. Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2. Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248'.
Molecular Mass	87 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ptpn12 protein tyrosine phosphatase, non-receptor type 12 [Mus musculus (house mouse)]
Official Symbol	Ptpn12
Synonyms	PTPN12; protein tyrosine phosphatase, non-receptor type 12; tyrosine-protein phosphatase non-receptor type 12; MPTP-PEST; protein-tyrosine phosphatase P19; PTPG1; P19-PTP; PTP-P19; PTP-PEST
Gene ID	19248
mRNA Refseq	NM_011203
Protein Refseq	NP_035333
UniProt ID	P35831

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